

IN THE CLAIMS

Please cancel claims 3, 8 and 13 without prejudice or disclaimer.

Please amend claims 1, 6 and 11 as indicated below.

This listing of claims will replace all prior versions, and listings, of the claims in the Application.

**Listing of Claims:**

Claim 1 (currently amended) In a client-server environment, a method for providing transparency in a gateway of an IP network comprising the steps of:

interrogating a directory comprising proxy server protocol data specific to every end-user network account of said IP network;

retrieving parameters associated with said proxy server protocol data for a first end-user in response to an access request from a client application of said first end-user;

accessing an application server on behalf of said client application in accordance with said retrieved parameters for said first end-user; and

relaying data between said client application and said application server[.];

updating, in said gateway of said network, the directory of said end-users, said step of updating the directory including the steps of:

disabling entries for those of said end-users that disconnect;

enabling entries for those of said end-users that connect; and

updating said entries of said end-users comprising dynamic parameters whenever said parameters are changing while connected.

Claim 2 (previously presented) The method according to claim 1 further comprising the step of:

creating, in said gateway of said IP network, the directory including entries specific to every end-user network account on said IP network.

Claim 3 (cancelled)

Claim 4 (previously presented) The method according to claim 1 wherein the step of retrieving parameters associated with proxy server protocol data for said first end-user includes the steps of:

- obtaining leading data from said client application having issued said access request for said end-user;

- parsing said leading data;

- determining a protocol said client application is currently using;

- interrogating said directory at an entry corresponding to said first end-user;

- retrieving parameters associated with said protocol; and

- executing said protocol in accordance with said parameters associated with said protocol.

Claim 5 (original) The method according to claim 1 further including the step of informing said end-user of said client application that a server application is unavailable if a link to said application server is not established.

Claim 6 (currently amended) A data processing system for providing a gateway of an IP network, comprising:

- circuitry operable for interrogating a directory comprising proxy server protocol data specific to every end-user network account of said IP network;

- circuitry operable for retrieving parameters associated with said proxy server protocol data for a first end-user in response to an access request from a client application of said first end-user;

- circuitry operable for accessing an application server on behalf of said client application in accordance with said retrieved parameters for said first end-user; and

- circuitry operable for relaying data between said client application and said application server[.];

- circuitry operable for updating, in said gateway of said network, the directory of said end-users, said circuitry operable for updating the directory including:

- circuitry operable for disabling entries for those of said end-users that disconnect;

circuitry operable for enabling entries for those of said end-users that connect; and

circuitry operable for updating said entries of said end-users comprising dynamic parameters whenever said parameters are changing while connected.

Claim 7 (previously presented) The system according to claim 6 further comprising:

circuitry operable for creating, in said gateway of said IP network, the directory including entries specific to every end-user network account on said IP network.

Claim 8 (cancelled)

Claim 9 (previously presented) The system according to claim 6 wherein the circuitry operable for retrieving parameters associated with said end-user for said access request from said client application includes:

circuitry operable for obtaining leading data from said client application having issued said access request for said end-user;

circuitry operable for parsing said leading data;

circuitry operable for determining a protocol said client application is currently using;

circuitry operable for interrogating said directory at an entry corresponding to said first end-user; and

circuitry operable for retrieving parameters associated with said protocol; executing said protocol in accordance with said parameters associated with said protocol.

Claim 10 (original) The system according to claim 6 further including the circuitry operable for informing said end-user of said client application that a server application is unavailable if a link to said application server is not established.

Claim 11 (currently amended) A computer program product embodied in a tangible storage medium, the program product for providing transparency in a gateway of an

IP network, the program product including a program of instructions for performing the steps of:

- interrogating a directory comprising proxy server protocol data specific to every end-user network account of said IP network;

- retrieving parameters associated with said proxy server protocol data for a first end-user in response to an access request from a client application of said first end-user;

- accessing an application server on behalf of said client application in accordance with said retrieved parameters for said first end-user; and

- relaying data between said client application and said application server[.];

- updating, in said gateway of said network, the directory of said end-users, said step of updating the directory including the steps of:

  - disabling entries for those of said end-users that disconnect;

  - enabling entries for those of said end-users that connect; and

  - updating said entries of said end-users comprising dynamic parameters whenever said parameters are changing while connected.

Claim 12 (previously presented) The computer program product according to claim 11, further comprising instructions for performing the step of:

- creating, in said gateway of said IP network, the directory including entries specific to every end-user network account on said IP network.

Claim 13 (cancelled)

Claim 14 (previously presented) The program product according to claim 11 wherein the step of retrieving parameters associated with said end-user for said access request from said client application includes the steps of:

- obtaining leading data from said client application having issued said access request for said end-user;

- parsing said leading data;

- determining a protocol said client application is currently using;

interrogating said directory at an entry corresponding to said first end-user;  
retrieving parameters associated with said protocol; and  
executing said protocol in accordance with said parameters associated with  
said protocol.

Claim 15 (original) The program product according to claim 11 further including  
instructions for performing the step of informing said end-user of said client  
application that a server application is unavailable if a link to said application server  
is not established.